Claims

That which is claimed is:

1. A black-colored polyurethane article comprising at least one black coloring agent and at least one toner compound exhibiting at least one absorption peak and a λ_{max} between 560 and 610 nm within said polyurethane article; and wherein said at least one toner compound exhibits a half-height bandwidth range of between 40 and 130 nm in relation to said at least one absorption peak.

2. The article of Claim 1 wherein said at least one toner compound exhibits a half-height bandwidth of at most 120 nm in relation to said at least one absorption peak.

3. The article of Claim 2 wherein said at least one toner compound is selected from the group consisting of at least one polymeric colorant, at least one pigment, at least one pigment dispersion, at least one dye, and any mixtures thereof.

4. The article of Claim 3 wherein said at least one toner compound is a polymeric colorant.

5. The article of Claim 1 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.

6. The article of Claim 2 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.

7. The article of Claim 3 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.

8. The article of Claim 4 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.

9. A black-colored polyurethane article comprising at least one black coloring agent and a toner combination of compounds that comprises a first compound exhibiting a single absorption peak and a λ_{max} between 560 and 575 nm and a second compound exhibiting a single absorption peak and a λ_{max} between 576 and 610 nm.

10. The article of Claim 9 wherein said toner combination includes at least one compound selected from the group consisting of a polymeric colorant, a pigment, a pigment dispersion, a dye, and any mixtures thereof.

11. The article of Claim 9 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.

12. The article of Claim 10 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.

13. A method of producing a black polyurethane article comprising the steps of

a) providing a polyol composition;

b) providing an isocyanate composition; wherein at least one of the compositions of steps

"a" and "b" comprises a black colorant formulation comprising at least one toner compound exhibiting at least one absorption peak and a λ_{max} between 560 and 610 nm within said polyurethane article; and wherein said at least one toner compound exhibits a half-height bandwidth range of between 40 and 130 nm in relation to said at least one absorption peak; and

c) reacting all of the compositions from steps "a" and "b" together in the presence of a suitable catalyst to produce said polyurethane article.

14. The method of Claim 13 wherein said at least one toner compound exhibits a half-height bandwidth of at most 120 nm in relation to said at least one absorption peak.

15. The method of Claim 14 wherein said at least one toner compound is selected from the group consisting of at least one polymeric colorant, at least one pigment, at least one pigment dispersion, at least one dye, and any mixtures thereof.

16. The method of Claim 15 wherein said at least one toner compound is a polymeric colorant.

17. The method of Claim 13 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.

18. A method of producing a black polyurethane article comprising the steps of

c) providing a polyol composition;

d) providing an isocyanate composition; wherein at least one of the compositions of steps

"a" and "b" comprises a black colorant formulation comprising a toner combination of compounds that comprises a first compound exhibiting a single absorption peak and a λ_{max} between 560 and 575 nm and a second compound exhibiting a single absorption peak and a λ_{max} between 576 and 610 nm; and

c) reacting all of the compositions from steps "a" and "b" together in the presence of a suitable catalyst to produce said polyurethane article.

19. The method of Claim 18 wherein said toner combination includes at least one compound selected from the group consisting of a polymeric colorant, a pigment, a pigment dispersion, a dye, and any mixtures thereof.

20. The method of Claim 19 wherein said at least one black coloring agent is selected from the group consisting of at least one black pigment, a black polymeric colorant combination, at least one black dye, and any mixtures thereof.